



# V I D E O S E V E N

## FastWrite VGA™

### VIDEO SEVEN'S ADVANCED VGA DISPLAY ADAPTER THAT EXCEEDS STANDARD VGA PERFORMANCE AND RESOLUTION AND IS 100% VGA COMPATIBLE.

When it comes to speed, resolution and color, FastWrite VGA far surpasses the IBM standard. Video Seven's exclusive FastWrite feature reduces wait states for dramatically improved performance. And the board is guaranteed to be compatible with existing and future VGA software.

#### WHAT MAKES FASTWRITE SO FAST

FastWrite VGA is powered by a chip developed by Video Seven, the V7VGA™. The chip utilizes high speed data paths to reduce the amount of time required to access video memory. This streamlines the flow of information, allowing your computer to do two things at once: your CPU can continue processing while data is being transferred to your screen.

#### TAKING YOU AHEAD WITHOUT LEAVING YOU BEHIND

Video Seven made FastWrite VGA form-factor compatible. It has the same daughter card connectors as the IBM PS/2 Display Adapter to accommodate hardware add-ons in the future.

The card is also 100% IBM hardware compatible. It even offers the high-bandwidth monochrome mode, plus other registers undocumented by IBM.

And like all Video Seven display adapters, FastWrite VGA offers backwards compatibility, so you can continue to run software written for EGA, CGA, MDA or Hercules graphics modes. And it's guaranteed to be 100% compatible with all current and future VGA software, including OS/2.

#### MORE ON-SCREEN COLORS AT HIGHER RESOLUTIONS

You can choose from a palette of 262,144 colors without sacrificing clarity. FastWrite VGA supports up to 256 simultaneous on-screen colors at a resolution of 640 x 400, and up to 16 simultaneous on-screen colors at resolutions of 800 x 600 and 720 x 540. Add an optional 256K DRAM and FastWrite VGA will support 256 colors in 640 x 480 and 2 or 4 colors in 1024 x 768.

Operating at dot clock rates up to 50MHz, the card supports high-resolution graphics and text modes on high-performance monitors such as IBM's PS/2™, NEC's MultiSync™ and Sony's Multiscan™.

#### SOFTWARE SUPPORT

High-resolution drivers for Windows, Windows/386, AutoCAD, AutoShade, GEM, Ventura Publisher and Presentation Manager take full advantage of FastWrite VGA's high-performance capabilities. We've also included 132 x 43 text drivers for Lotus 1-2-3, Symphony, WordPerfect and WordStar users. And our hardware graphics cursor increases productivity and improves images in environments using pointers.

#### SYSTEM REQUIREMENTS AND DIMENSIONS

FastWrite VGA runs in all IBM PC/XT/ATs and compatibles and the IBM PS/2 Model 30; and fits in both 16 and 8-bit bus slots.



FastWrite VGA measures 13.2" x 3.2" and matches the form-factor of the IBM PS/2 Display Adapter.

Connectors: 15 pin, keyed PS/2 compatible analog video. Two 44-pin rows and a feature connector are included to ensure future compatibility with the IBM PS/2 Display Adapter.

## GRAPHICS MODES

FastWrite VGA Extended modes:

Resolution	Colors	Display Required	DRAM Required
800 x 600 . . . . .	16 . . . . .	VF . . . . .	256K
720 x 540 . . . . .	16 . . . . .	VF . . . . .	256K
640 x 400 . . . . .	256 . . . . .	VF,AD . . . . .	256K

1024 x 768 . . . . .	2 . . . . .	HVF . . . . .	512K
1024 x 768 . . . . .	4 . . . . .	HVF . . . . .	512K
640 x 480 . . . . .	256 . . . . .	VF,AD . . . . .	512K

Standard Modes (including, but not limited to):

720 x 348 . . . . .	2 . . . . .	VF,AD . . . . .	256K
640 x 480 . . . . .	2 . . . . .	VF,AD . . . . .	256K
640 x 480 . . . . .	16 . . . . .	VF,AD . . . . .	256K
640 x 350 . . . . .	16 . . . . .	VF,AD . . . . .	256K
640 x 200 . . . . .	16 . . . . .	VF,AD . . . . .	256K
320 x 200 . . . . .	16 . . . . .	VF,AD . . . . .	256K
320 x 200 . . . . .	256 . . . . .	VF,AD . . . . .	256K

VF = Variable Frequency Monitor  
(e.g. MultiSync, Multiscan)

AD = Fixed Frequency Analog Monitor  
(e.g. IBM 8513, Zenith ZCM-1490)

HVF = High Resolution Variable Frequency  
Monitor (e.g. MultiSync XL, Nanao 9070S)

## TEXT MODES

Columns

x Rows	Colors	Character Cell
132 x 43 . . . . .	16 . . . . .	8 x 8
132 x 28 . . . . .	16 . . . . .	8 x 14
100 x 60 . . . . .	16 . . . . .	8 x 8
80 x 60 . . . . .	16 . . . . .	8 x 8
80 x 43 . . . . .	16 . . . . .	8 x 8
80 x 25 . . . . .	16 . . . . .	9 x 16

## 5 YEAR WARRANTY

FastWrite VGA is guaranteed to be free of defects in material and workmanship for a period of five years from the date of purchase.



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